

# *Chaetocalyx longiloba* (Fabaceae, Papilionoideae), a New Species from Peru

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**ABSTRACT.** A new species, *Chaetocalyx longiloba* Rudd, from the Department of Amazonas, Peru, is proposed. Similarities to *C. weberbaueri* Harms and *C. latisiliqua* (Poiret) Benthham ex Hemsley, as well as distinguishing characters of *C. longiloba*, are described.

Two collections of *Chaetocalyx* from the Department of Amazonas, Peru, are distinct from previously known species of the genus (Rudd, 1958, 1972; Vanni, 1981) and are here presented as *Chaetocalyx longiloba* Rudd. Superficially, the new material resembles that of *C. weberbaueri* Harms, from Piura, Peru, and *C. latisiliqua* (Poiret) Benthham ex Hemsley, originally attributed to Peru but actually from Ecuador northward to Costa Rica. All three species are twining vines with 5-foliolate leaves; the flowers are 15–25 mm long; the fruits of *C. longiloba* and *C. latisiliqua* are linear-oblong, compressed, articulate, 6–10 mm wide; mature fruit of *C. weberbaueri* has not been seen but is expected to be similar. The principal differences are in the details of the flowers, as indicated in the following key. There also are some altitudinal differences: *C. longiloba* was found at 2450–2550 m, *C. weberbaueri* at 1000–1500 m, and *C. latisiliqua* at 40–1200 m.

- 1a. Flowers with vexillar petal pubescent on the outer face, 20–22 mm long; calyx 10–12 mm long including linear lobes 5–6 mm long, the tube slightly gibbous, narrowed at the base, longitudinally striate . . . . . *C. longiloba* Rudd
- 1b. Flowers with vexillar petal glabrous on the outer face or with only a few hairs near the base; calyx lobes 1–5 mm long, the tube essentially symmetrical, not striate.
- 2a. Calyx 7–10 mm long including linear, attenuate lobes; flowers 22–25 mm long . . . *C. weberbaueri* Harms
- 2b. Calyx 5–6 mm long including acute, deltoid lobes 1–2.5 mm long; flowers 15–25 mm long . . . . . *C. latisiliqua* (Poiret) Benthham

***Chaetocalyx longiloba* Rudd, sp. nov.** TYPE: Peru. Depto. Amazonas: Prov. Luya, Camporredondo, Fundo Cedro, 2450–2550 m, 25 May 1989, C. Díaz, J. Campos & L. Campos 3530 (holotype, MO; isotype, SFV).

Planta volubilis lomentis planis lineari-oblongis *C. weberbaueri* Harms et *C. latisiliquae* (Poiret) Benthham ex Hemsley similis; ab eis floribus petalo vexillari pubescenti, calyce gibboso, striato, lobis 5–6 mm longis praedito differt.

Twining vines; stems puberulent, about 2 mm diam. Leaves 5-foliolate, the axis 2–5 cm long, puberulent to tomentulose. Stipules lanceolate, attenuate, 5–10 mm long, 1 mm wide at the base, puberulent. Leaflets elliptic, 1.5–5 cm long, 0.8–2 cm wide, obtuse, apiculate at the apex, rounded at the base, glabrous above, glabrous or subglabrous beneath except pubescent along the midvein. Inflorescences axillary, fasciculate, few-flowered, the pedicels 1–1.5 mm long. Flowers 20–22 mm long; calyx about 10–12 mm long, puberulent, the tube 5–6 mm long, 3.5–4 mm diam., slightly gibbous, longitudinally striate, narrowed at the base, the lobes linear, 5–6 mm long; petals yellow, the vexillum pubescent on the outer face, the wings and keel glabrous. Fruit lomentaceous, compressed, about 8–10-articulate, the articles quadrate, 7–9 mm long, 6–7 mm wide, the stipe about 5 mm long.

**Paratypes.** PERU. Depto. Amazonas: Prov. Luya, Camporredondo, Fundo Cedro, 2450–2550 m, 24 May 1989, C. Díaz, J. Campos & L. Campos 3518 (MO, SFV).

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